

KDM1/CDK1-IN-1

Chemical Properties

CAS No. :

Formula: C₂₂H₁₇N₅O₃S

Molecular Weight: 431.47

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	KDM1/CDK1-IN-1 (compound 4) is a potent inhibitor of KDM1 (IC ₅₀ : 0.096 μM) and CDK1 (IC ₅₀ : 0.078 μM), blocking the cell cycle of HOP-92 cells in the G ₂ /M phase and inducing apoptosis. It is highly cytotoxic to CCRF-CEM cells (IC ₅₀ : 16.34 μM), HOP-92 cells (IC ₅₀ : 3.45 μM), and Hep-G2 cells (IC ₅₀ : 7.79 μM).
Targets(IC ₅₀)	Apoptosis,Histone Demethylase,Others,Caspase,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3177 mL	11.5883 mL	23.1766 mL
5 mM	0.4635 mL	2.3177 mL	4.6353 mL
10 mM	0.2318 mL	1.1588 mL	2.3177 mL
50 mM	0.0464 mL	0.2318 mL	0.4635 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481